PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicar	nt's or agent's file re	eference							
P714-PCT			FOR FURTHER A	CTION	See Form PCT/IPEA/416				
International application No.		International filing da	te (day/month/year)	Priority date (day/month/year)					
PCT	/JP2004/0	04533	30.03.200	4	31.03.2003				
Internati Applicar		ication (IPC) or na	tional classification and	IPC					
••	PON STEEI	CORPORA	ATION						
1.	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.								
3.									
	a. (sent i	to the applicant an	d to the International Bu	reau) a total of 7	sheets, as follows:				
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.								
•	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))								
	, containing a sequence listing and/or tables								
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4.	4. This report contains indications relating to the following items:								
	Box No. 1	Basis of the	ne report						
	Box No. 1	II Priority							
	Box No. 1	III Non-estab	lishment of opinion with	regard to novelty, inve	ntive step and industrial applicability				
	Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
	Box No.	VI Certain do	ocuments cited						
	Box No.	VII Certain de	fects in the international	application					
	Box No. VIII Certain observations on the international application								
Date of submission of the demand				Date of completion of	this report				
				•	•				
Name ar	nd mailing address	of the IPEA/JP		Authorized officer					
Facsimile No.				Telephone No.					

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/004533

Box	No. I	Basis of the report							
1.		regard to the language, this report is based on the internation ated under this item.	al application in the language in	which it was filed, unless otherwise					
		This report is based on translations from the original language which is the language of a translation furnished for the purportion.							
		international search (Rule 12.3 and 23.1(b))							
		publication of the international application (Rule 12.4)							
	W:+h	international preliminary examination (Rule 55.2 and/o	•	Landa anticata harras francisco Companyo da and a					
2.	recei	h regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the eiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to report):							
	Ц	the international application as originally filed/furnished							
	\boxtimes	the description:							
		pages 1-4,7-10,12,13,15-19		as originally filed/furnished					
		pages* 5,6,11,14	received by this Authority on	29.10.2004					
		pages*	received by this Authority on						
	\boxtimes	the claims:							
		nos. 2		as originally filed/furnished					
		nos.*		er with any statement) under Article 19					
		nos.* 1,3-7							
		nos.*							
	\boxtimes	the drawings:							
		shects fig. 1		as originally filed/furnished					
		sheets*	received by this Authority on						
		sheets*	received by this Authority on						
		a sequence listing and/or any related table(s) – see Supplem	ental Box Relating to Sequence I	Listing.					
3.	\boxtimes	The amendments have resulted in the cancellation of:							
		the description, pages							
		the claims, nos. 8							
		the drawings, sheets/figs	_						
		the sequence listing (specify):							
		any table(s) related to sequence listing (specify):							
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi	ments annexed to this report and led, as indicated in the Suppleme	I listed below had not been made, since ntal Box (Rule 70.2(c)).					
		the description, pages							
		the claims, nos.							
		the drawings, sheets/figs							
		the sequence listing (specify):							
		any table(s) related to sequence listing (specify):							
·	If ite	em 4 applies, some or all of those sheets may be marked "sup							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
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Box No. V Reasoned statement us citations and explanat		ent under Art lanations sup	under Article 35(2) with regard to novelty, inventive step or industrial applicability; ations supporting such statement		
1.	Statement				
	Novelty (N)	Claims	3, 7	YES	
		Claims	1, 2, 4-6	_ NO	
	Inventive step (IS)	Claims		_ YES	
		Claims	1-7	_ NO	
	Industrial applicability (IA)	Claims	1-7	_ YES	
		Claims		_ NO	

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 2000-290730 A (Kawasaki Steel Corp.), 17
 October 2000, claims; column 7, line 25 to
 column 8, line 42; and tables 1 to 8
 - Document 2: JP 2003-55751 A (Nippon Steel Corp.), 26
 February 2003, claims and column 12, lines
 32 to 49
 - Document 3: JP 8-291367 A (Kawasaki Steel Corp.), 05
 November 1996, claims

The inventions that are set forth in claims 1, 2 and 4 to 6 are also disclosed in document 1 (claims; column 7, line 25 to column 8, line 42; and tables 1 to 8) cited in the international search report; therefore, these inventions lack novelty and do not involve an inventive step. It is thought that the oxide particle compositions and the oxide particle diameters that are disclosed in document 1 could have been obtained by means of the production method that is set forth in claim 4; therefore, document 1 is considered to disclose the same production method as is set forth in claim 4.

It would have been easy for a person skilled in the art to conceive of the inventions that are set forth in claims 3 and 7 in the light of the disclosures of

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

documents 1 and 2 cited in the international search report; therefore, these inventions do not involve an inventive step. Document 2 (claims and column 12, lines 32 to 49) discloses the feature of increasing strength and ductility by configuring a complex structure that comprises ferrite, bainite and residual austenite; therefore, it would be easy for a person skilled in the art to conceive of forming the abovementioned structure in the invention that is disclosed in document 1, which also pertains to the issue of imparting strength and ductility.